

RECORDING AND USING TRANSCODING INFORMATION

ABSTRACT OF THE DISCLOSURE

A system for providing telecommunication service between a plurality of users, includes a first network, a second network, a gateway. The first network is capable of communicating media in at least one encoding format. The second network is capable of communicating media in at least one format. The gateway facilitates communication between the first network and the second network. In operation, the gateway receives a call setup message from the first network, the call setup message signaling for a media channel for transporting media between a first device and a second device. The gateway identifies a first encoding format for the media communicated with the first network. The gateway also determines a second encoding format for the media in the media channel communicated with the second network. If the first encoding format and the second encoding format are different, the gateway modifies transcoding information in the call setup message, the transcoding information indicating a number of transcoding points on the media channel. Additionally, the gateway identifies a remote element to receive the call setup message and transmits the call setup message to the remote element.

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